As prices of solar and wind edge closer to parity with traditional fossil fuels, the world is nearing a fundamental shift in the energy mix, and forecasts show an increasing reliance on renewable energy in the decades to come.

**Cost of electricity from renewable power generation**

(Use levelised costs from utility-scale renewable energy to price fossil fuel)

- Wind
- Solar photovoltaic
- Concentrating solar power
- Offshore wind
- Onshore wind

The price of renewable energy has dropped markedly over recent years and is now competitive with traditional fossil fuels.

**Renewables generation capacity outlook**

Projected installed renewable energy generation capacity worldwide from 2010 to 2050 (gigawatts).

**New investment in renewables by energy type in 2017**

(All asset classes, totals include estimates for undisclosed deals ($bn))

- Wind
- Solar
- Biomass and waste to energy
- Small hydroelectric
- Geothermal
- Nuclear

**Predicted change in energy mix**

Revenues/total power generation by fuel type (%) 2015-2020

**Leaders in renewable energy**

Hydro, wind, solar and geothermal as a percentage of total electricity production (2016).